Intelligence Integration Day
23 June 2004

Headquarters U.S. Marine Corps Intelligence Department

HQMC/I Agenda

- **IPP**
  - **MCISR-ES & Targeting UNS Updates**
  - **Ship Intel Spaces Coordination Update**
  - **ISR OAG Issues**
  - **ICC Agenda**
  - **ISR Roadmap Development**
  - **Fires OAG Update**
  - **ITV AAO**
  - **JCIDS Process Discussion**
  - **DCGS Brief**

HQMC/I Agenda (Cont.)

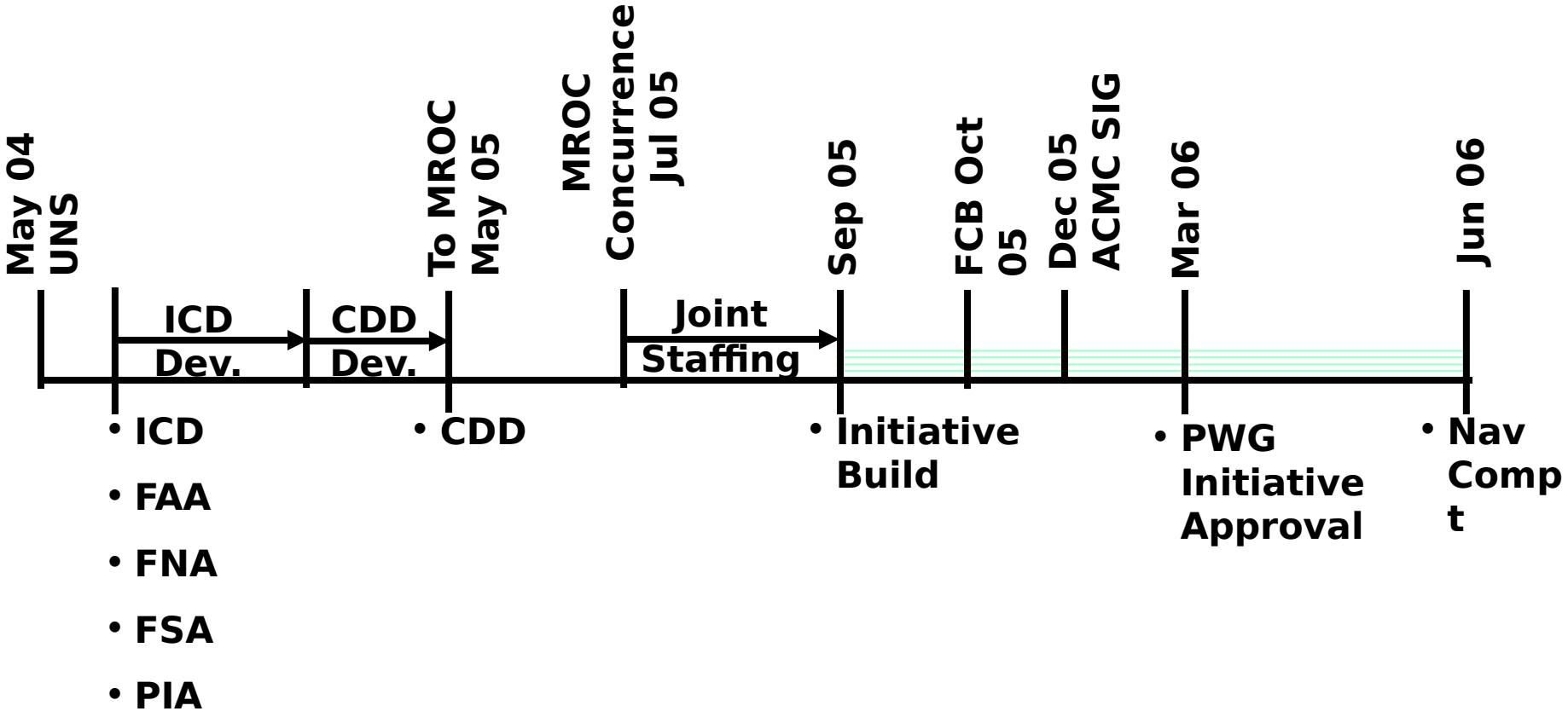
- **IPB**
  - **SURSS AAO**
- **IPI**
  - **GEOINT Support to EFV Program**
- **IPM**
  - **SCI Architecture**
- **IPS**
  - **IO Update**

Intelligence Plans & Policy / TENCAP Branch (IPP)

UNS Update

- **MCISRES**
  - **Briefed and approved 27 May DWG**
  - **Will brief OV-1 @ 30 June DWG**
  - **Need to initiate studies**
- **Targeting**
  - **Briefed and approved 27 May DWG**
  - **Passed to Fires OAG 2-3 June**
  - **Working Roadmap and Plan; will hold follow-on WG to work**

MCISR-ES Requirements Timeline



Ship Intel Spaces and Coordination Update

- **Meetings:**
  - **19 May Internal USMC – “Lanes”**
  - **20 May w/ NavSea: PM-281; N-20/61**
  - **Resolved IPIC Spaces**
- **Unresolved/Unclear**
  - **JIC**
  - **SESS**

Ship Intel Spaces and Coordination Update (Cont.)

- **Lanes:**
  - **HQ's Policy**
  - **MCCDC – Consolidate all input and is USMC POC/Voice**
  - **MCSC – Systems capabilities and interoperability and on-board requirements**
  - **MARFOR's – The MEU's voice for input**

ISR OAG

- **Working Group Lead POC information**
- **Website Updating**
- **Integration WG Agenda**
- **ICC Agenda**

Integration Working Group

17 AUGUST:

0800-0830	ADMIN
0830-0900	DIRINT Address
0900-1130	Review of ISR OAG WG action items from 2003 ICC
1300-1500	Develop recommended agenda for all WG's at 2004 ICC
1500-1700	Develop recommended agenda for the ESC

18 AUGUST:

0800-1000	Finalize ICC agenda recommendations
1000-1200	Develop recommended ISR issues for the next CEAB
1300-1400	Outbrief DIRINT

ICC Schedule

MON, 27 SEP: **[Preconference Activity - Optional]**

1300-1700 **MCTIAC forum (Gen Gray/LtGen Van Riper)**

TUE, 28 SEP: **Formal Conference Convenes**

0700-0745 **Check-in/Admin**
0800-0830 **DIRINT Remarks**
0830-0915 **USMC ISR Roadmap Overview**
0915-1000 **MCISR-ES Overview**
1015-1100 **SCI Architecture Update**
1100-1130 **ISR OAG WG Taskings**
1200-1700 **ISR OAG WG Meetings**
1800-2000 **Reception**

ICC Schedule (Cont.)

WED, 29 SEP:

0730-1200 MCTIAC PME

1300 -1700 Working Groups

1800-2200 Awards Banquet

THU, 30 SEP:

0800- 0830 Global Hawk Briefing

0900- 1200 WG Out briefs to ESC

Roadmap Development

- **ISR Integration Roadmap Initiative**
  - **Title 10 amendment (Nov 03) directed the establishment of the ISR Integration Council and ISR Integration Roadmap (due 30 Sep 04)**
  - **I Department provided USD (I) with initial round of information regarding DCGS-MC and migration to MCISR-ES on 7 Apr 04. Expect follow-on meetings with USD (I) and a final formal Service review for the roadmap.**
- **NOTE: USMC was the first Service to provide input to this roadmap effort.**

Roadmap Development (Cont.)

- **DoD DCGS Roadmap Initiative**
  - **Started in 03, contractor funding expires Dec 04.**
  - **USMC position supports this roadmap development in parallel with the ISR Integration Roadmap, but only as a component of the larger roadmap effort.**
- **USMC ISR Roadmap Initiative**
  - **DIRINT directed IPP to replace 'expired' USMC Intelligence Master Plan 1993-2003 with a meaningful roadmap showing our path to intelligence support to EMW circa 2015.**
  - **Detailed outline being drafted for DIRINT approval**
  - **Special projects team will draft the document (3-6 month effort)**
  - **Present status at the ISR Integration WG in August.**
  - **Brief status to the ICC in September**

Fires OAG 2-4 June 04

- **HQMC Intel Plans and Policy Representatives attended the Fires OAG**
  - **Follow up to the MAGTF Targeting Process UNS Submitted by Intelligence Dept to MCCDC**
- **Fires OAG took responsibility for 2 of 3 process solutions in the MAGTF Targeting UNS**
  - **Fires OAG WILL establish a Targeting Working Group and serve as the Process Owner/Developer/Integrator for the MAGTF Targeting Process**
  - **Fires OAG recommending to MCCDC that a Doctrinal Publication on MAGTF Targeting be Drafted with input from all stakeholders in the process**

Fires OAG 2-4 June 04 (Cont.)

- **Fires OAG charter rewrite will include representation from Intelligence Dept, MCCDC Intel Requirements and Operating Force Targeting Intel Personnel**
  - **Forum for an end to end review of the Targeting Process by Intelligence, Aviation, Information Operations and Fires communities**
- **Fires OAG announced support for Current UAV Road Ahead**
- **Fires OAG will support the Designation of a Target Information Specialist Regiment to MEF Level based on 0803 MOS (CWO 1-3)**
  - **Expected to work with Target Intelligence Professional (0207) and attend many of the same schools**

Intel "Team" Mobility for EMW Assumptions

- **Several options exist represented by Programs/Requirements documents for an MV-22 Transportable Vehicle to replace M1123 HMMWV**
- **One of the options will be chosen**
- **Not all M1123 HMMWV will be replaced by these vehicles due to payload weights required for various systems**
- **Ambulances are NOT represented in the totals**
- **Whichever vehicle is chosen will be compatible with M101A3 and M105A2 Trailer and will not require development of a specialized trailer**
- **All of MCSOCOM Det's vehicles are required to be MV-22 Transportable**

Intel “Team” Mobility for EMW

ICD/CDD (MNS/ORD)	Intel Bn CI/HET’S GSP SET’S	Radio Bn OCE’s SST/RRT’s	Inf Bn S2’s & Scout Snipers	Force Recon Teams	Battalion Recon Teams	MCSOCOM Det Intel Plt
ITV	90	45	108	48	52	12
Recon Mobility	36	12	72	48	52	12
FCS/MEFFV C2 Variant	64	33	36	06	09	02
FCS/MEFFV RSV Variant	36	12	72	42	43	10

DCGS Discussion

- JCID's (Separate Slide)
- GIG BE possible impact
- Coordination a must for positions / meetings / conferences
- "Hell Week" 30 June – 2 July
- DCGS Brief Update

JCIDS Issues

- **A validated and approved ORD, developed under a previous version of this instruction, may be used to support a MS B or C decision until June 2005.**
- **What programs are affected**
  - **Data call to MCCDC and MCSC**
- **Results show:**
  - **CSAS MS/A 4/02**
  - **COBRA MS/B 7/04??**
  - **USMC Documentation Status: DCGS CRD-CDD??**
  - **Need follow-on meeting**

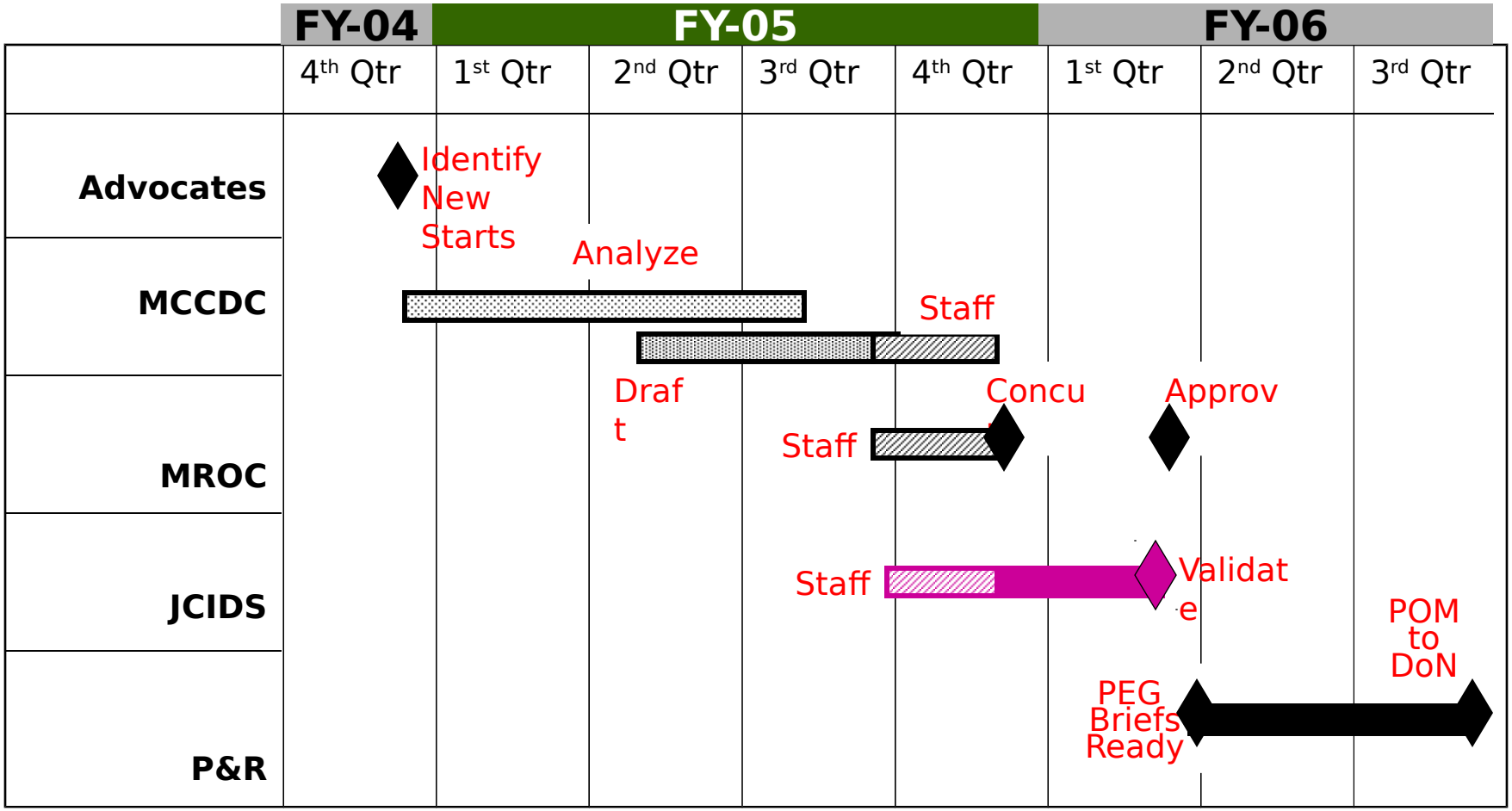
JCIDS Analysis (Pre-MS A)

- **Functional Area Analysis (FAA)**
  - **Identifies operational tasks, conditions, and standards needed to achieve military objectives.**
- **Functional Needs Analysis (FNA)**
  - **Assesses the ability of the current & programmed joint capabilities to accomplish the tasks that the FAA identified under the full range of operating conditions and to the designated standards.**
- **Functional Solution Analysis (FSA)**
  - **Operationally based assessment of all potential DOTMLPF approaches to solving one or more of the capability gaps previously identified.**
- **Post Independent Analysis**
  - **Considers compiled info and analysis results to determine which integrated DOTMLPF approach best addresses the joint capability gaps.**

JCIDS Issues (Cont.)

- **Need to initiate studies to support MCISRES ICD**
  - **When**
  - **Where**
  - **Cleared contractors**

Start Early


FY-04
FY-05
FY-06
4th Qtr
1st Qtr
2nd Qtr
3rd Qtr
4th Qtr
1st Qtr
2nd Qtr
3rd Qtr
Advocates
MCCDC
MROC
JCIDS
P&R
Identify New Starts
Analyze
Staff
Draf t
Staff
Concu r
Approv
Staff
Validat e
POM to DoN
PEG Briefs Ready

Questions

- **How can the ECL be used in the POM process?**
- **How do we link ICD, CDD, CPD to the POM process?**
- **What USMC programs with milestone decisions B or C occurring after Jun 05 require a CDD?**
- **For the JCIDS analysis process including the Functional Area Analysis (FAA) and Functional Needs Analysis (FNA) to be contracted by MCCDC for $450K:**
  - **Is a State of Work (SOW) required?**
  - **Criteria for selecting a contractor (must be in the ISR business); (must understand JCIDS process); and (must have SCI clearances)**
- **Do we need to start the ICD or CDD by Sept 04?**

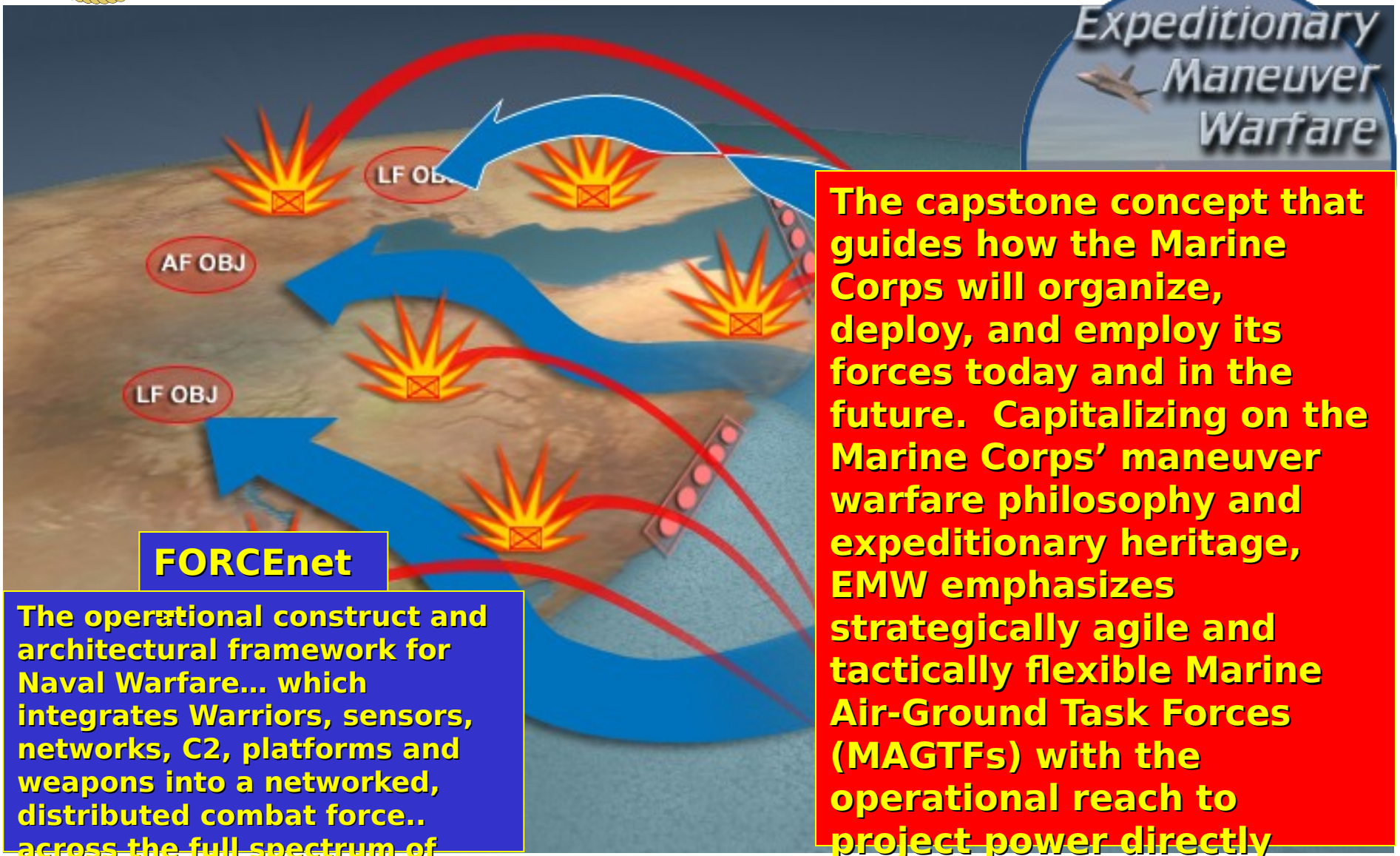
MCISR-ES COAS

- **Three possible courses of action (COA):**
  - **No ICD. Use existing DCGS CRD**
  - **One ICD with supporting CDD, CPD's**
  - **Two (or more) ICD's**

Distributed Common Ground/Surface System Marine Corps (DCGS-MC)

Colonel Kate Prokop
HQMC, Intel Plans & Policy (IP)

FORCEnet Enables EMW



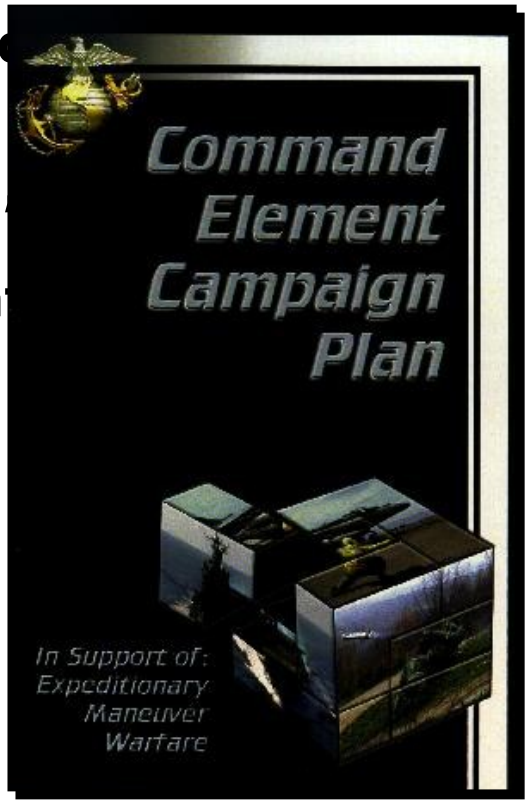
FORCEnet

The operational construct and architectural framework for Naval Warfare… which integrates Warriors, sensors, networks, C2, platforms and weapons into a networked, distributed combat force.. across the full spectrum of

The capstone concept that guides how the Marine Corps will organize, deploy, and employ its forces today and in the future. Capitalizing on the Marine Corps' maneuver warfare philosophy and expeditionary heritage, EMW emphasizes strategically agile and tactically flexible Marine Air-Ground Task Forces (MAGTFs) with the operational reach to project power directly

Intel Support To Expeditionary Maneuver Warfare

- **Support the commander's planning and decision-making process.**
- **Maintain a comprehensive Intelligence, Surveillance and Reconnaissance (ISR) network to support multiple concurrent expeditionary operations.**
- **Facilitate operational maneuver and precision engagement.**
- **Develop the intelligence expertise to meet evolving challenges of the 21st Century.**



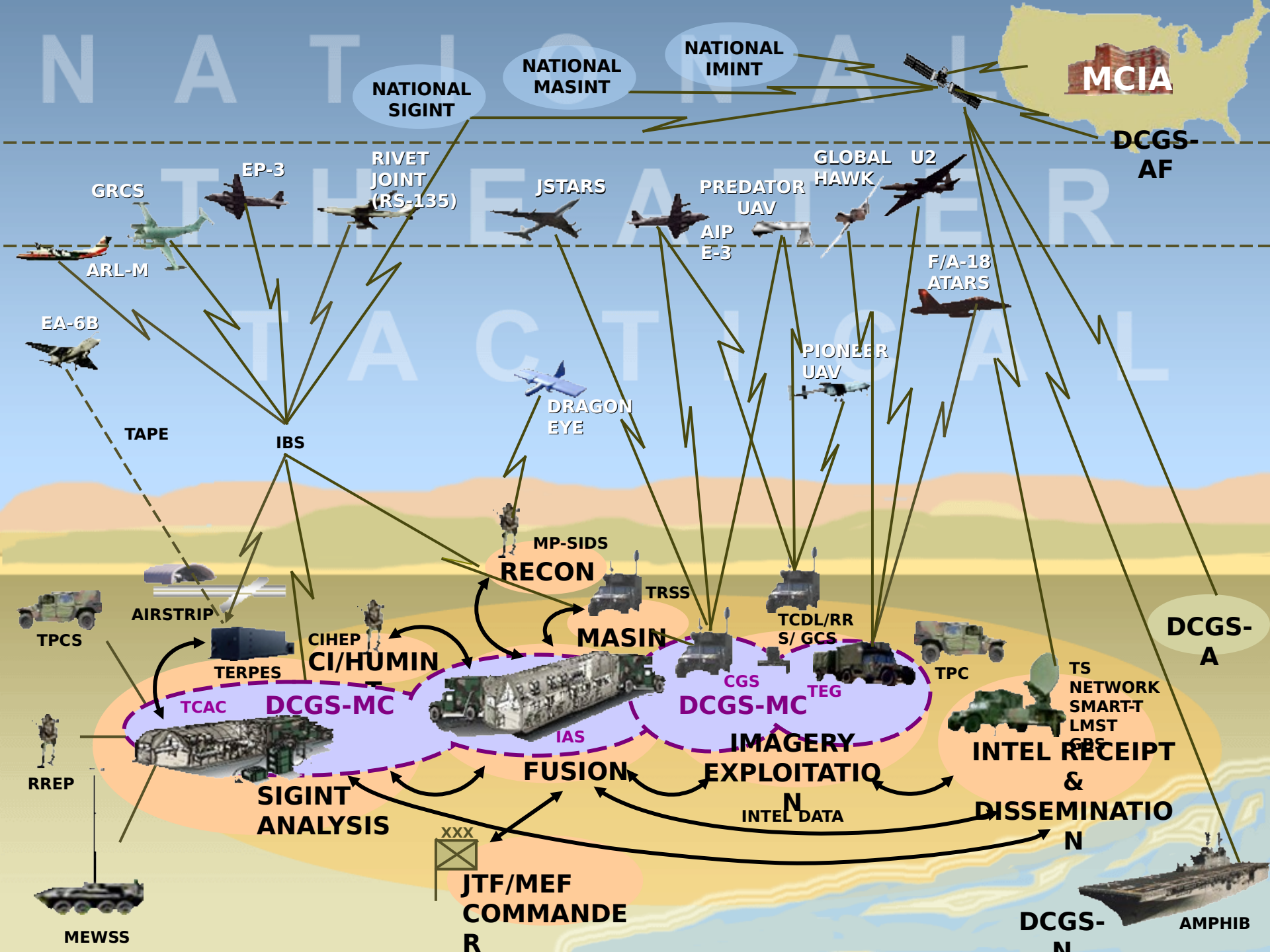
Transformation
Support Expeditionary Maneuver Warfare

Current

- **Provides capability to collect, process, analyze, fuse, and disseminate IMINT, SIGINT, MASINT, CI/HUMINT**
- **Scaleable, modular, and mobile with small footprint for shipboard deployment and mission-specific employment**

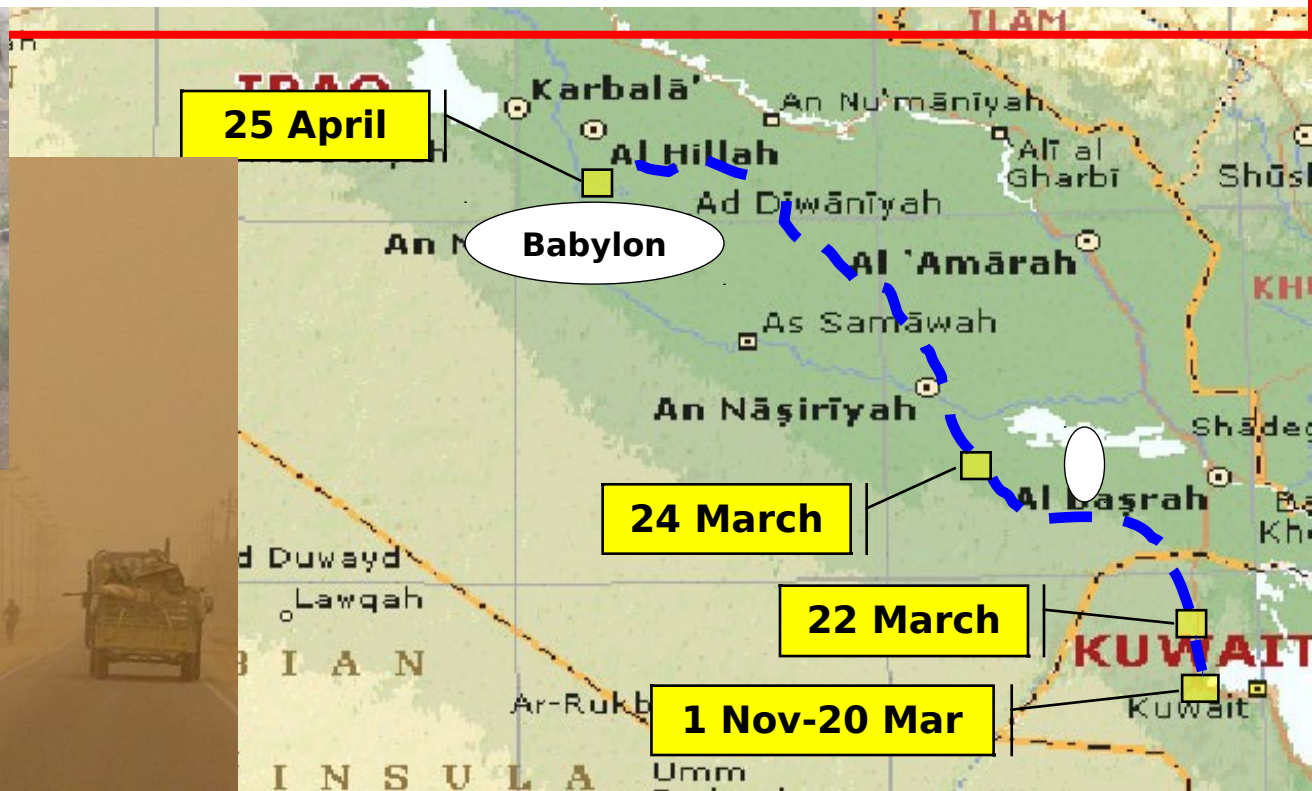
Future

- **Centered around the DIB thus further enabling Joint Interoperability with other services**
- **Net-centric through web-services in secure environment using Multiple Levels of Security technologies**
- **Metadata tagging used by systems for timely, accurate archiving (data centric) and posting of data.**
- **Scaleable, modular with multiple functionality, supported by longer range tactical ISR assets.**

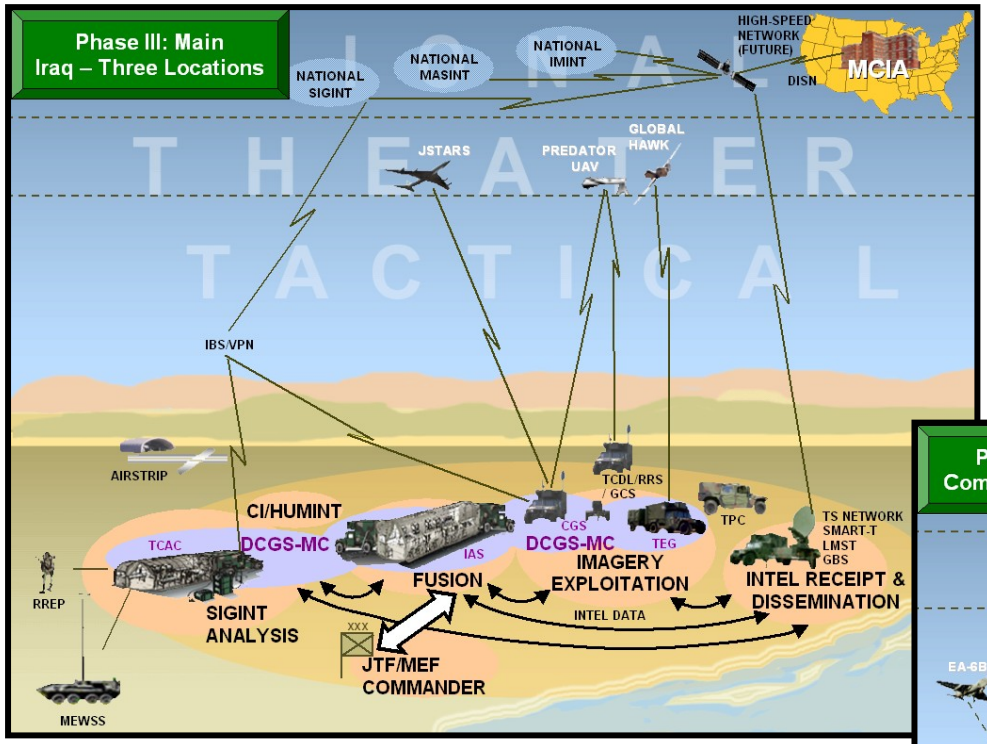

NATIONAL
THEATER
TACTICAL
NATIONAL SIGINT
NATIONAL MASINT
NATIONAL IMINT
MCIA
DCGS-AF
GRCS
EP-3
RIVET JOINT (RS-135)
JSTARS
PREDATOR UAV
GLOBAL HAWK
U2
ARL-M
AIP E-3
F/A-18 ATARS
EA-6B
PIONEER UAV
DRAGON EYE
TAPE
IBS
MP-SIDS
RECON
TRSS
MASIN
TCDL/RR S/ GCS
AIRSTRIP
TPCS
CIHEP
CI/HUMIN T
TERPES
TCAC
DCGS-MC
IAS
CGS
DCGS-MC
TEG
TPC
TS
NETWORK
SMART-T
LMST
GBS
DCGS-A
RREP
SIGINT ANALYSIS
FUSION
IMAGERY EXPLOITATIO N
INTEL DATA
INTEL RECEIPT & DISSEMINATIO N
XXX
JTF/MEF COMMANDE R
MEWSS
DCGS-N
AMPHIB

I MEF in OIF
(Intel and DCGS Movement)

- (3) MEF Main displacements
- (19) Division Main and FWD displacements
- (6) FSSG Main and FWD CP displacements
- 3d MAW supported (22) FARPS/FOBs and (4) simultaneous airfields

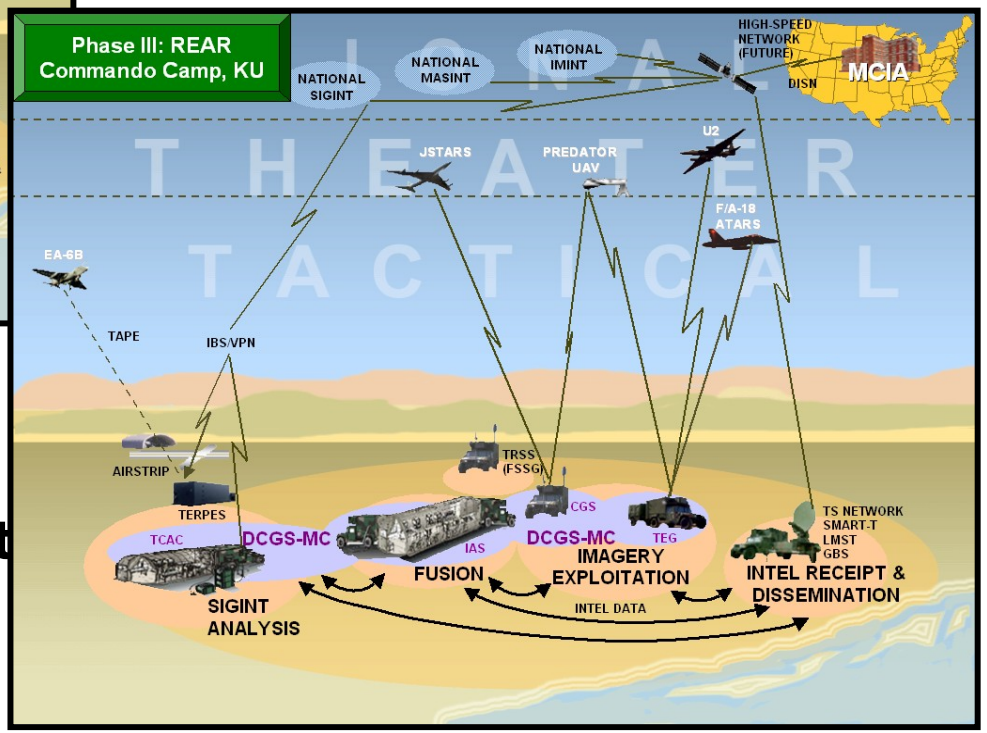


MEF OIF ISR Concept



Main and Rear CP Structu

- Assured connectivity during displacement
- Fight forward; Intel across the battlespace



Echeloned the CE

- Control to rear CP
- Modular structure support this movement

DCGS-MC Net-Centric Guidance/Standards

<u>DIRECTION</u> – ADM dtd 24 Oct 2003

"I direct the Army, Navy, and Marine Corps to incorporate the . . . DIB interoperability standards . . . and commit to the DIB architecture . . .it is acceptable for Services to sustain current ISR systems and other related capabilities in order to meet near-term warfighting requirements..."

Dr. Wynne, USD (AT&L)

TPPD to TPPU . . .

" . . . enable smart pull by users . . ."

DCGS-MC Net-Centric Guidance/Standards

- Joint Vision 2020, Jun 2000
- DCGS CRD, Jan 2003
- Naval Transformation Roadmap, Jul 2002
- FORCEnet Campaign Plan, Jun 2003
- Expeditionary Maneuver Warfare, Nov 2001
- Global Information Grid (GIG) CRD, Aug 2001
- Joint Technical Architecture v6.0, Dec 2003
- GIG Architecture v2.0, Approved Dec 2003
- IPv6, ASD(NII) Memo, Jun 2003
- Network-Centric Operations and Warfare Reference Model (NCOW RM) v1.0
- Horizontal Integration of Collected Theater Intel, USD(I) Memo, Feb 2004

Additional Guidance and Oversight

- **JBMC2 Roadmap – JFCOM / OSD/AT&L**
- **Horizontal Integration – Enhanced Planning Process (HI-EPP) OSD/PA&E**
- **DCGS Council – USD(I)**
- **DoD CIO Net-Centric Program Review/Data Call – OSD/NII**
- **ISR Integration Council (Title 10 Amendment)**
- **ISR Roadmap – USD(I) (Title 10 Amendment)**

Does not include GIG oversight forums

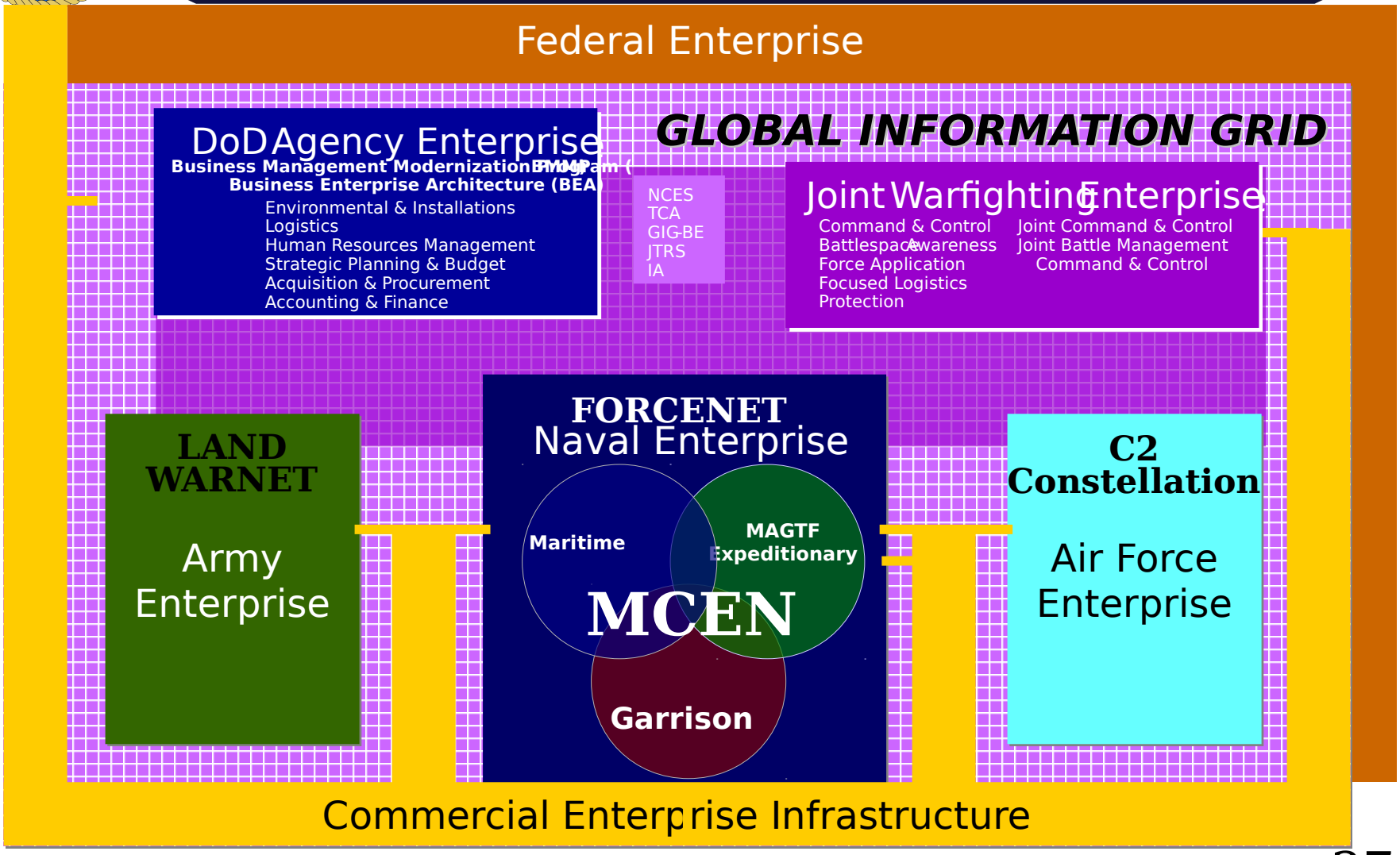
Assumptions

As we move forward into the future . . .

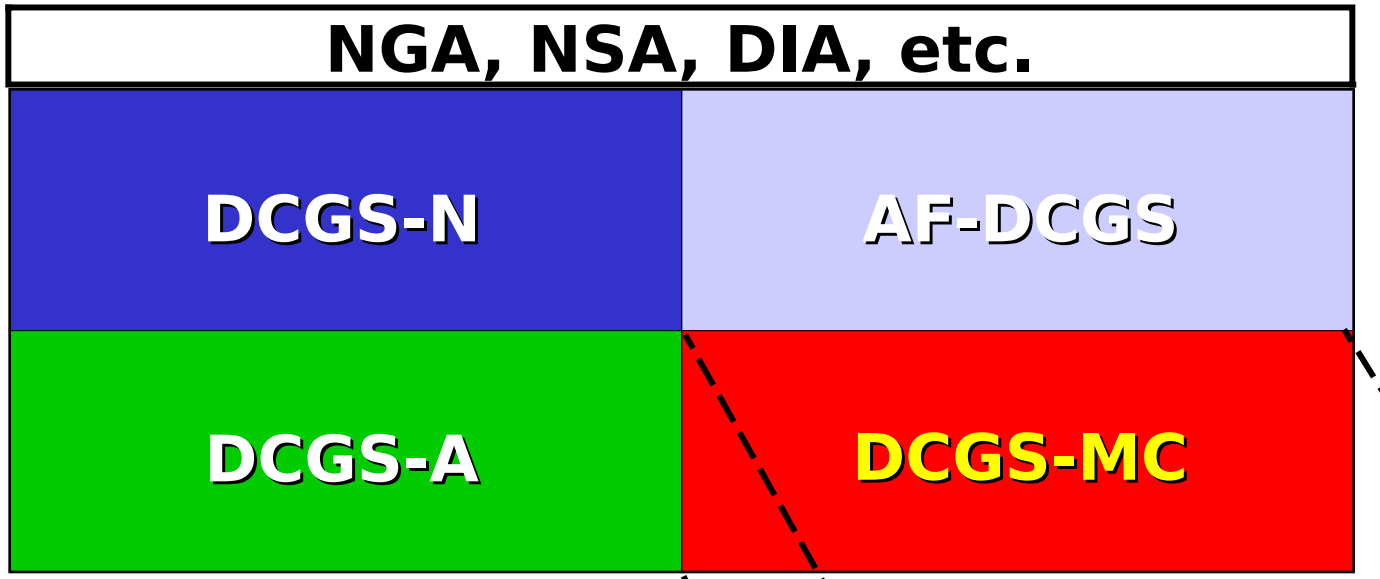
- **GIG will provide unconstrained communications circa 2010 to support DoD ISR Enterprise endstate**
  - **Multiple Levels of Security must be part of this capability**
- **Successful DIB integration in accordance with net-centric attributes across DoD ISR Enterprise as previously presented by the other services**
  - **Successful Metadata standardization and implementation**
- **Navy provides enterprise services aboard LH(X) replacements**
- **Near Term: Services post selected data from their sensors**
- **Regional COCOMs/JTF Commander will post operational data for their specific AOs/operations and provide Intel Community with broad access to collected theater intelligence data**

Our integrated plan relies on these assumptions . . .

USMC and Net-Centric Warfare



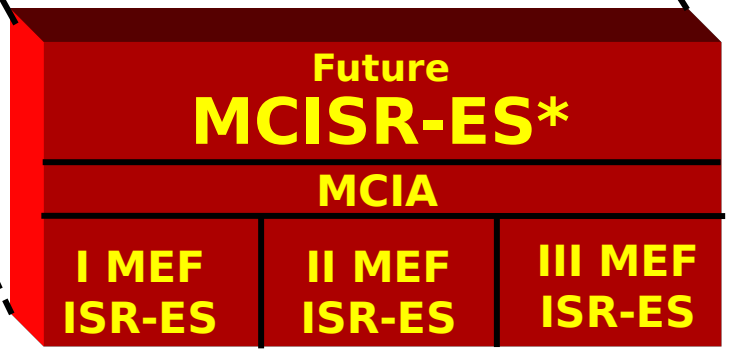
DoD ISR Enterprise



DCGS ADM dtd 24 Oct 2003

". . . my belief that a net-centric DoD ISR enterprise will enable the Services to operate more effectively in a Joint environment."

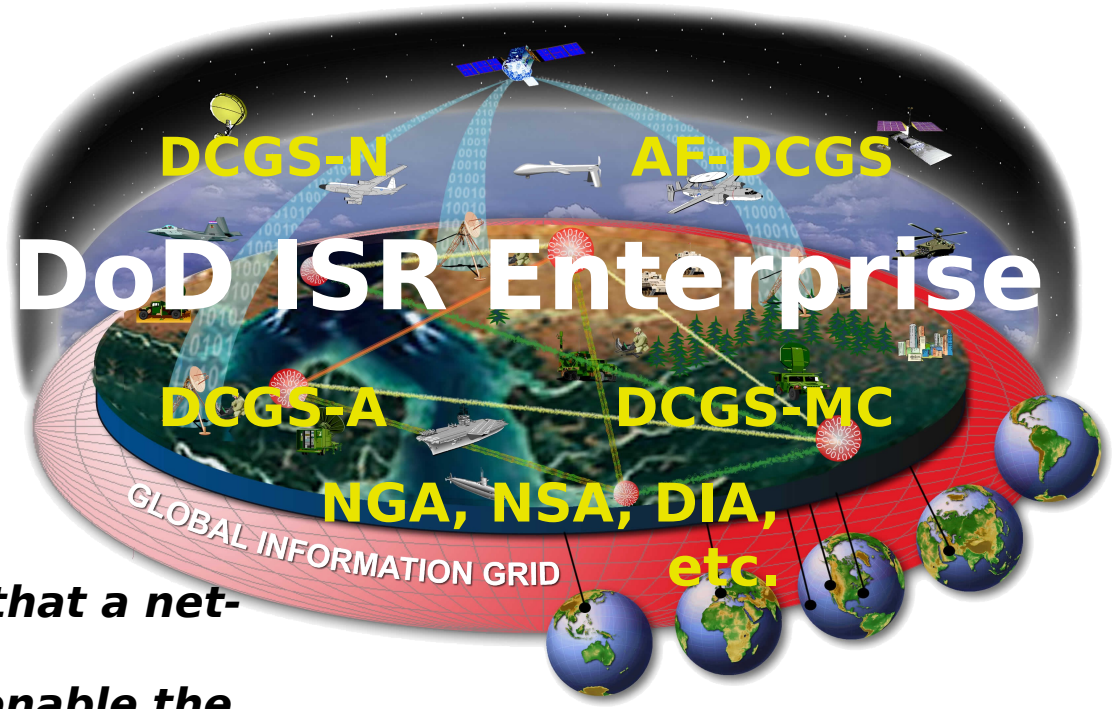
Dr. Wynne, USD (AT&L)



*** Marine Corps ISR Enterprise System**

Transforming to a Net-Centric DoD ISR Enterprise

DoD ISR Enterprise



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Transforming to a Net-Centric DoD ISR Enterprise

Marine Corps ISR-ES Variants Determined by How Marines Fight

Task Organized:

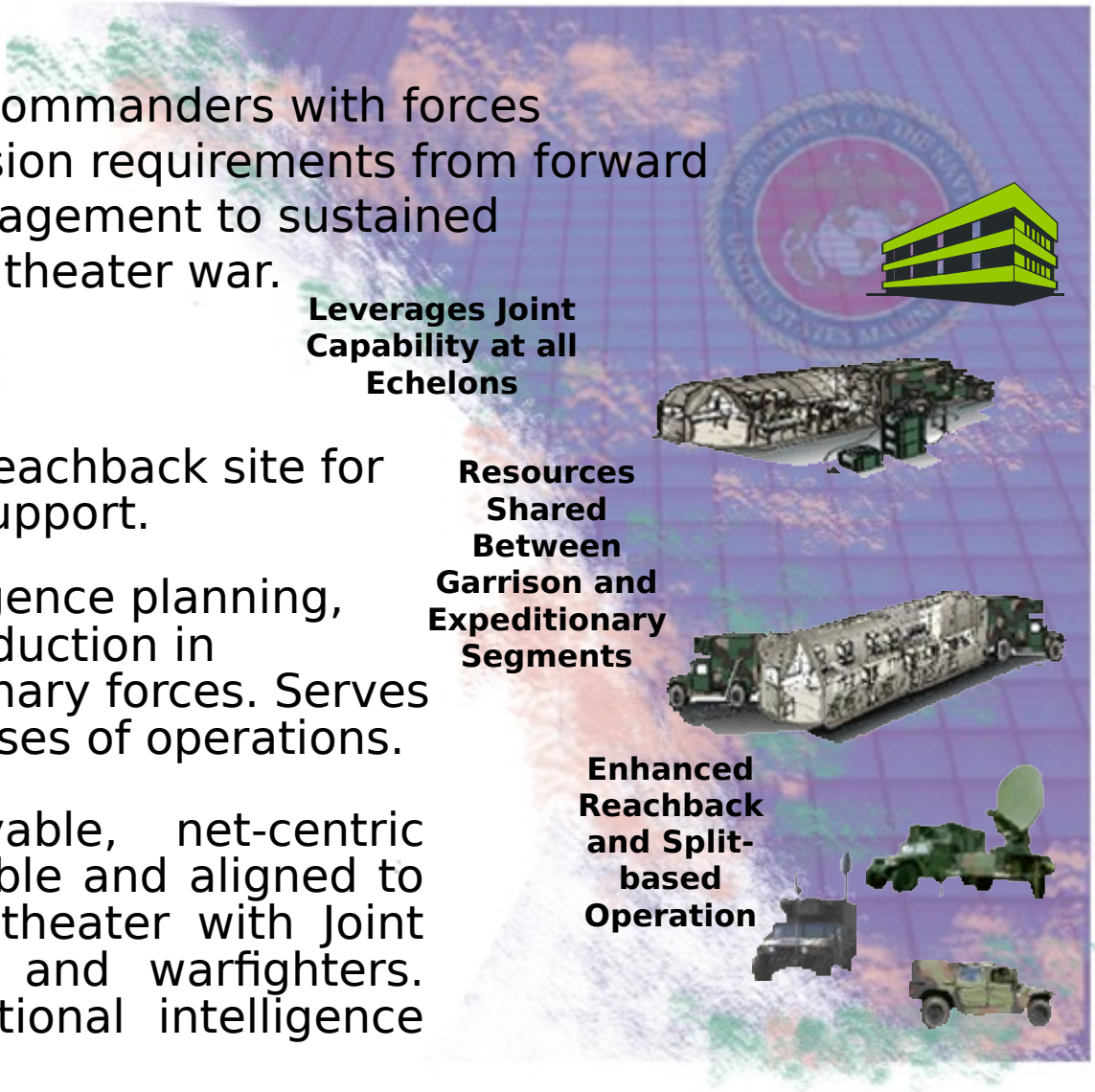
MAGTFs provide combatant commanders with forces tailored to meet specific mission requirements from forward presence and peacetime engagement to sustained operations ashore in a major theater war.

MCISR-ES Nodes:

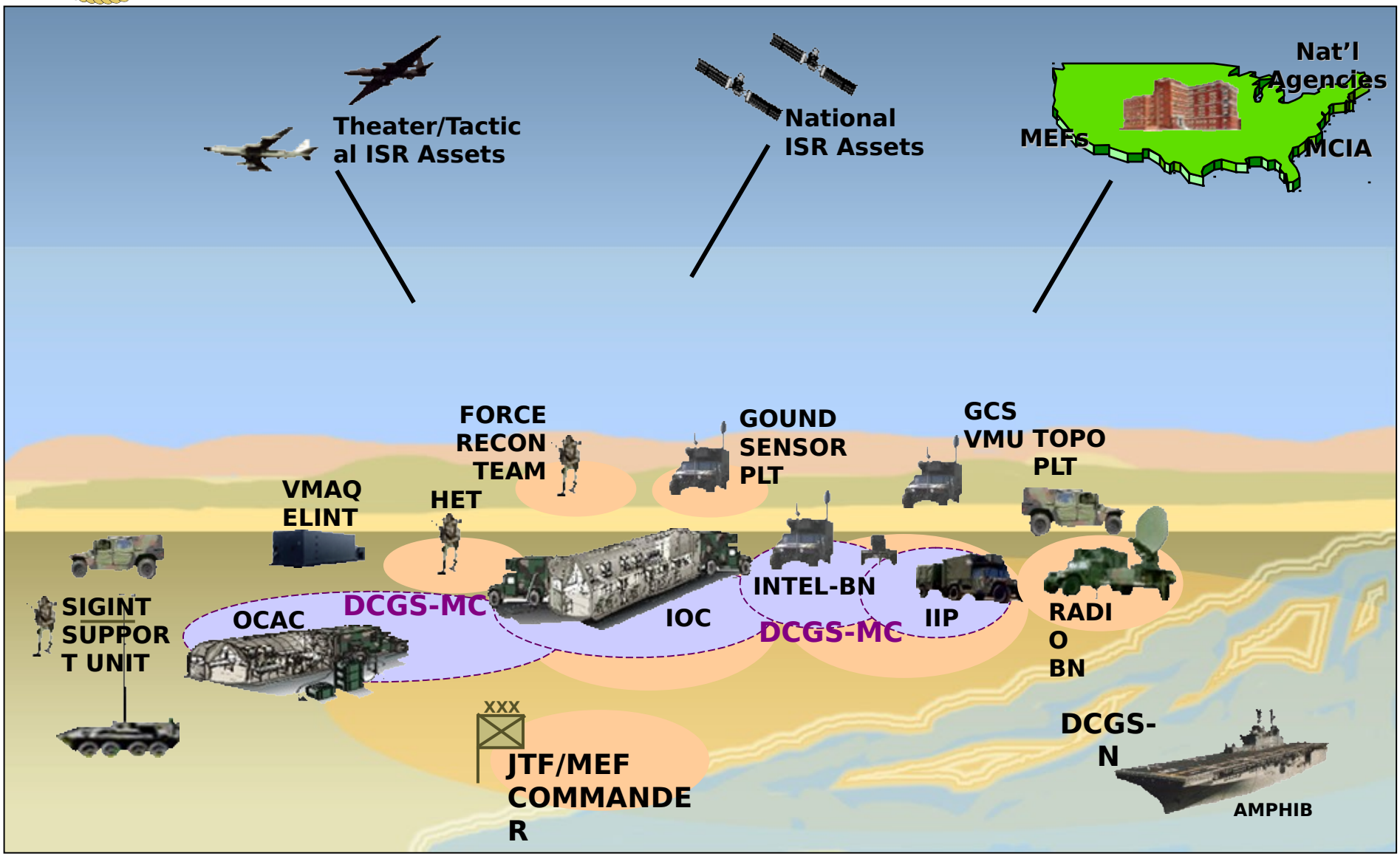
Fixed – Serves as primary reachback site for Expeditionary intelligence support.

Garrison – Conducts intelligence planning, collection, analysis, and production in collaboration with Expeditionary forces. Serves as reachback site for all phases of operations.

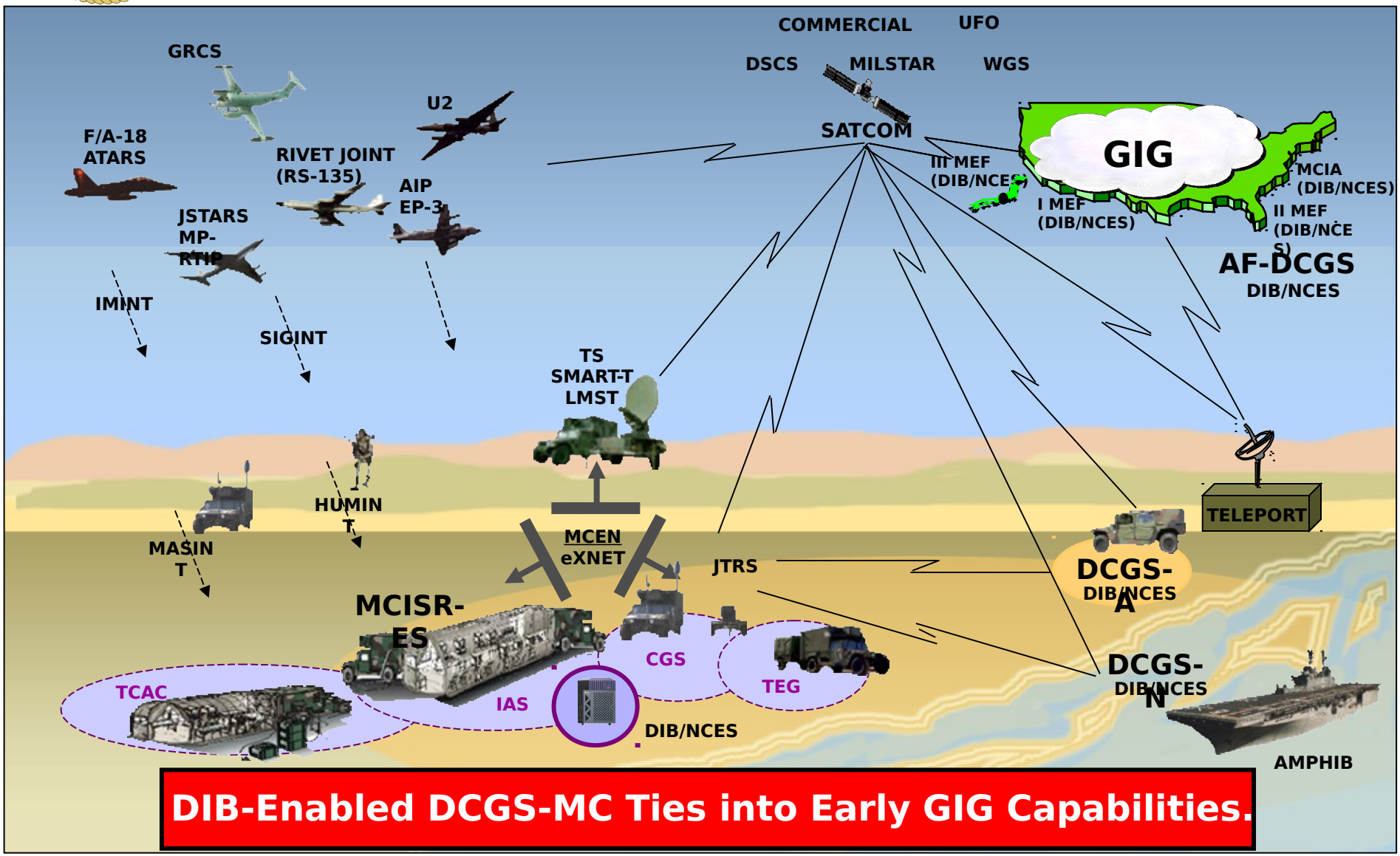
Expeditionary – Deployable, net-centric INTEL force package tailorable and aligned to the mission. Operates in theater with Joint forward deployed sensors and warfighters. Utilizes reachback for addtional intelligence support.


Leverages Joint Capability at all Echelons
Resources Shared Between Garrison and Expeditionary Segments
Enhanced Reachback and Split-based Operation

DCGS-MC 2004 “As Is” OV-1

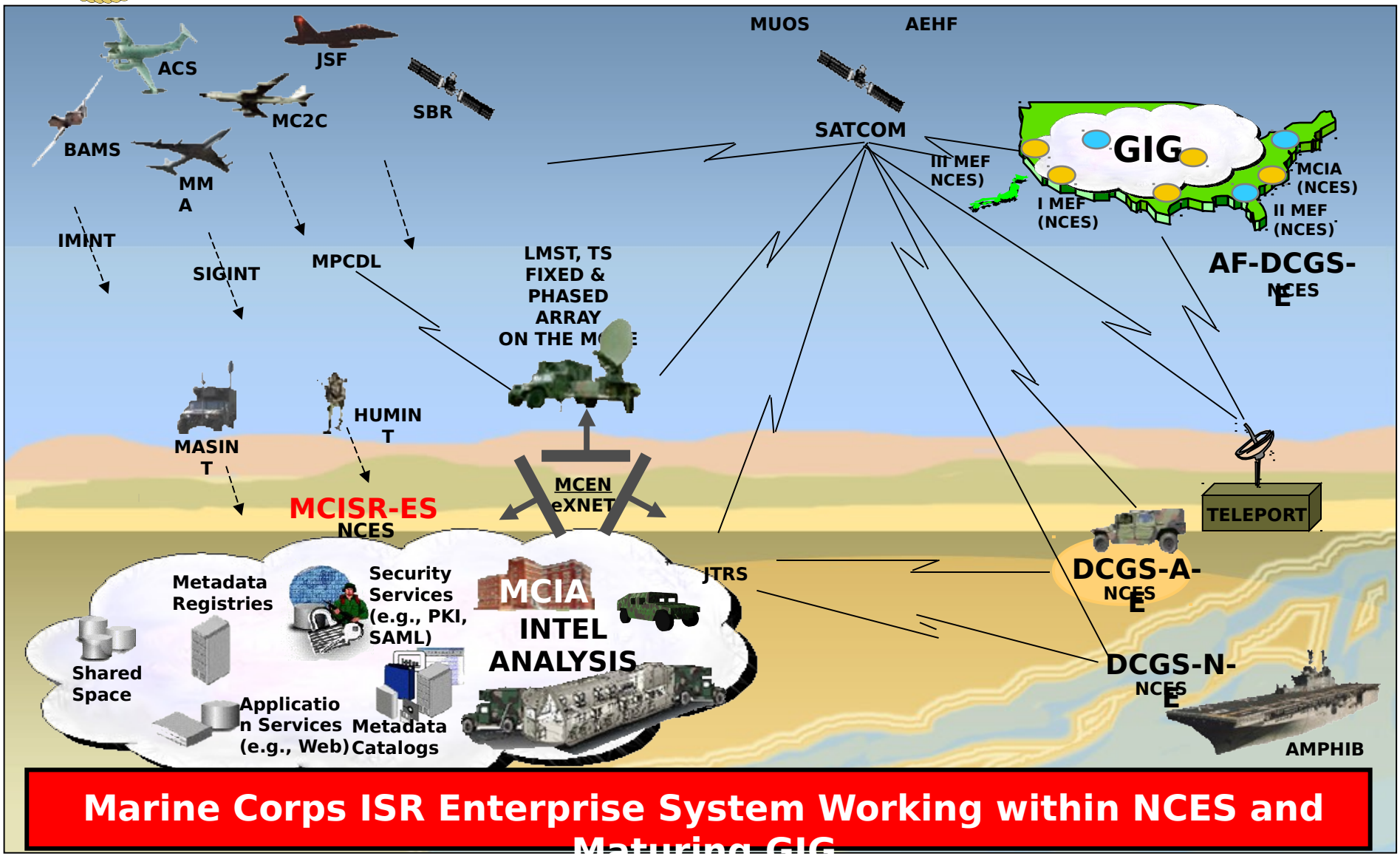


MCISR-ES Net-Centric Migration FY08



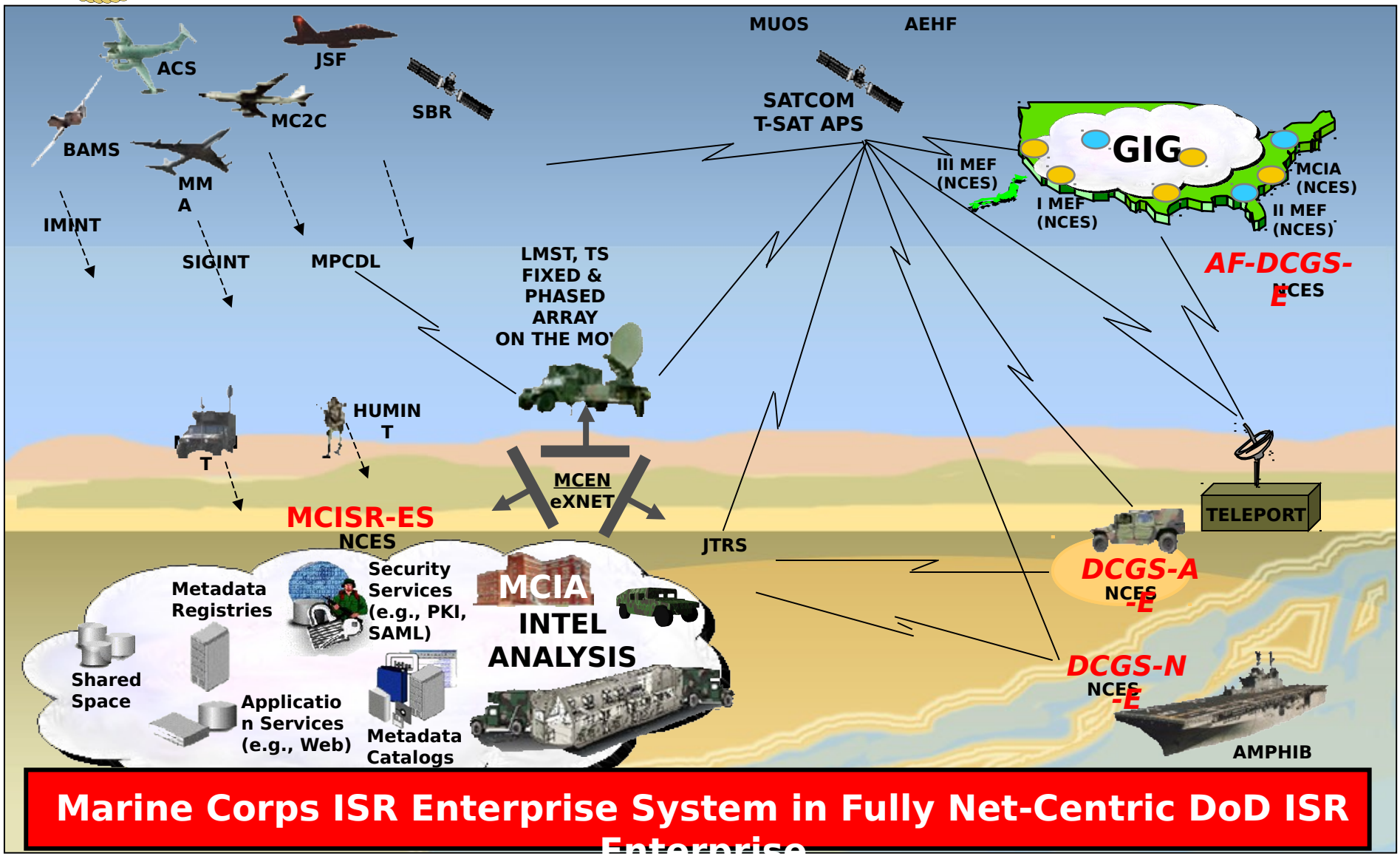
DIB-Enabled DCGS-MC Ties into Early GIG Capabilities.

MCISR-ES Net-Centric Migration ~ FY12



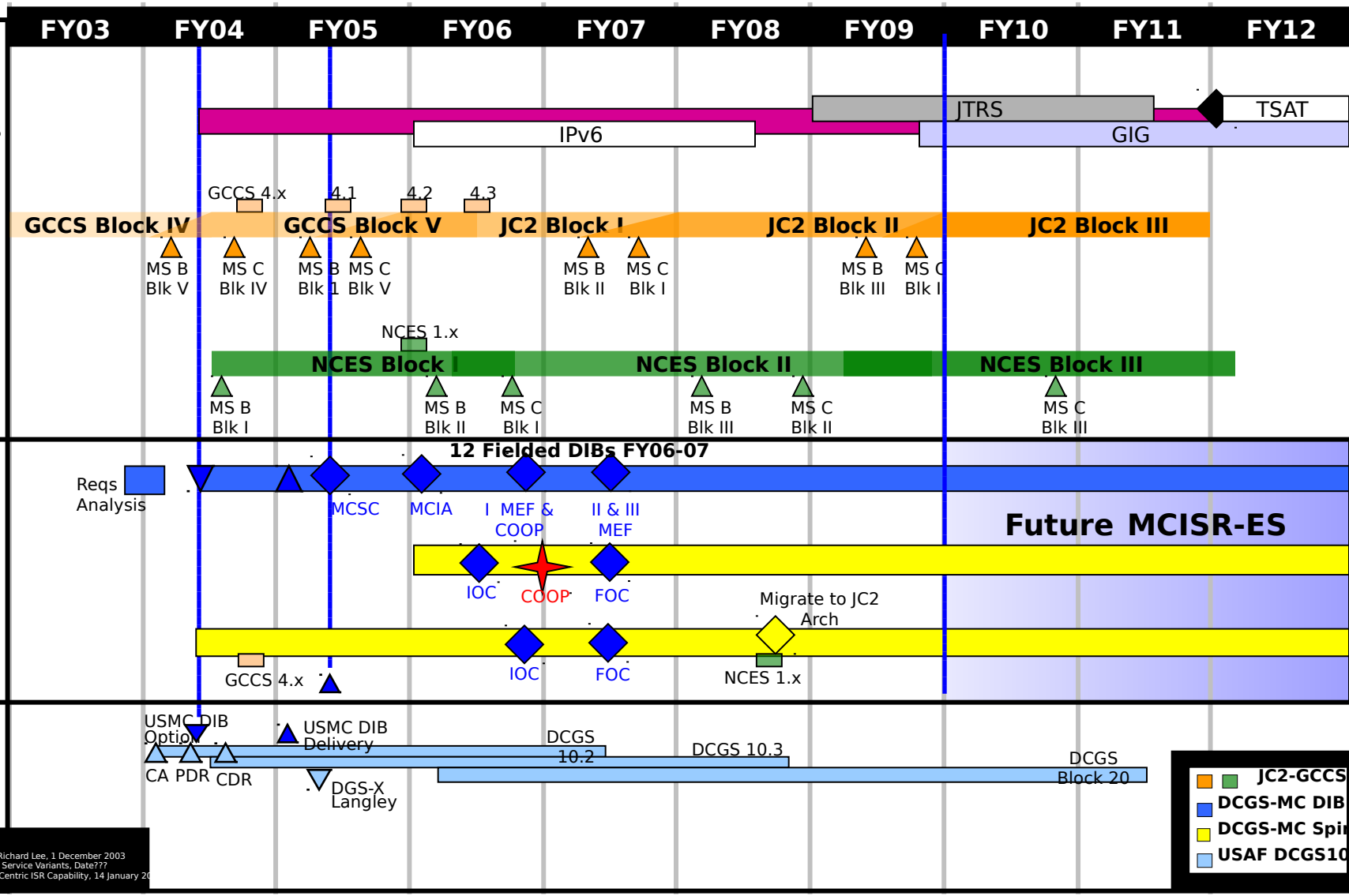
Marine Corps ISR Enterprise System Working within NCES and Maturing GIG

MCISR-ES Net-Centric End State
~ FY16 "To Be"



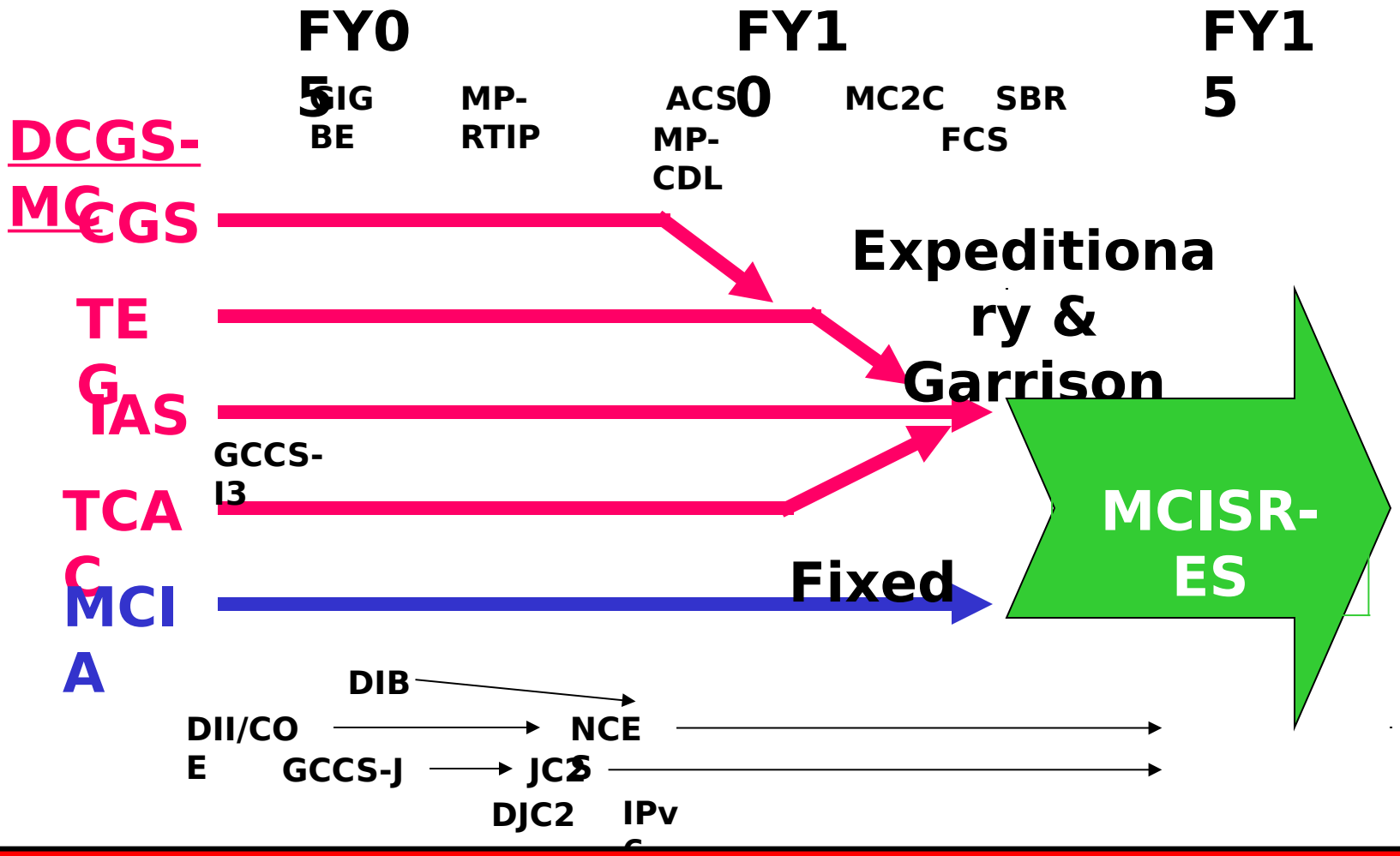
Marine Corps ISR Enterprise System in Fully Net-Centric DoD ISR Enterprise

DCGS-MC Migration Path to the MCISR-ES



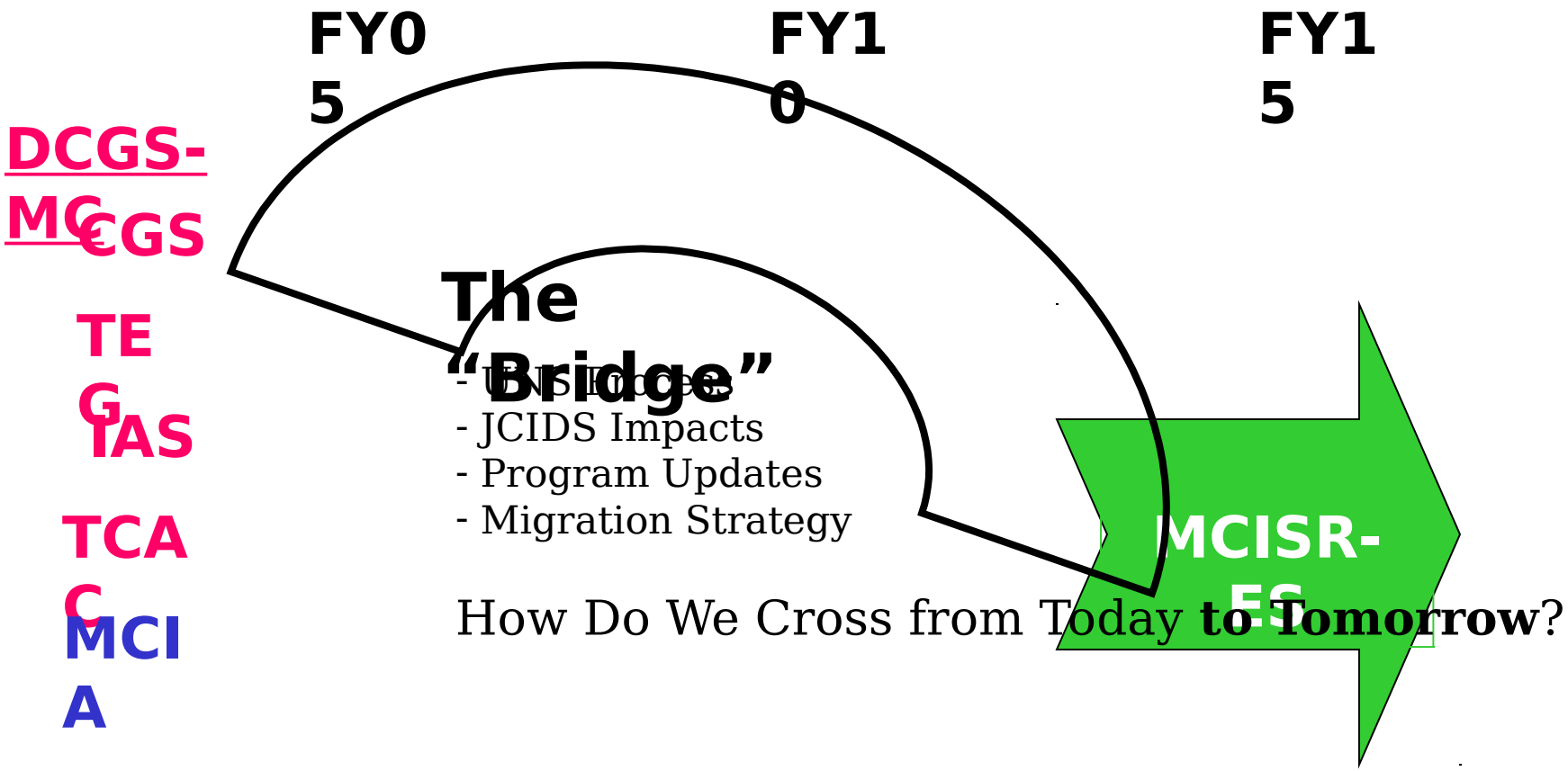
Referenced Briefings:
JC2 Capability & C2 Data Model, Mr. Richard Lee, 1 December 2003
Convergence of JC2/GCCS and GCCS Service Variants, Date???
DCGS-A Migration Strategy to a Net-Centric ISR Capability, 14 January 20

DCGS-MC End State



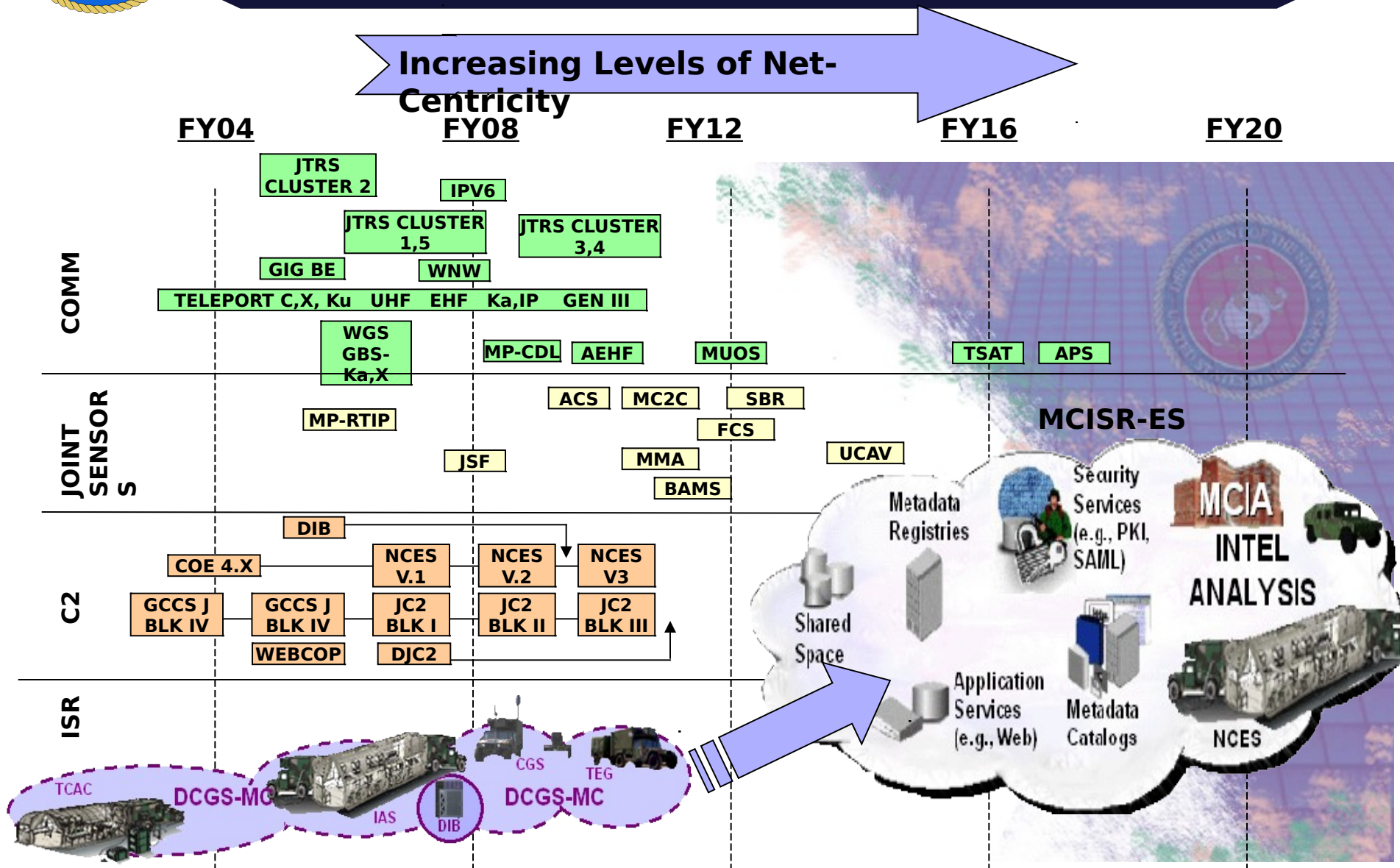
Functionality evolving from separate intelligence systems to multi-function workstations in a fully net-centric environment

The “Bridge”



How Do We Cross from Today **to Tomorrow**?

MCISR-ES Net-Centric Migration



Current Gaps and Issues

- **Metadata Development vital to data exchange:**
  - **Standards for DoD and IC**
  - **Dictionary, Catalog**
- **Assured Connectivity – Dependent on GIG schedule**
- **Manning, equipping, training and enabling the MCISR-ES; Enterprise - Not just a technological solution**
- **Multiple levels of security – seamless operations across all domains limited by policy**
- **Data storage and Posting**

Gaps must be closed to enable full transformation to

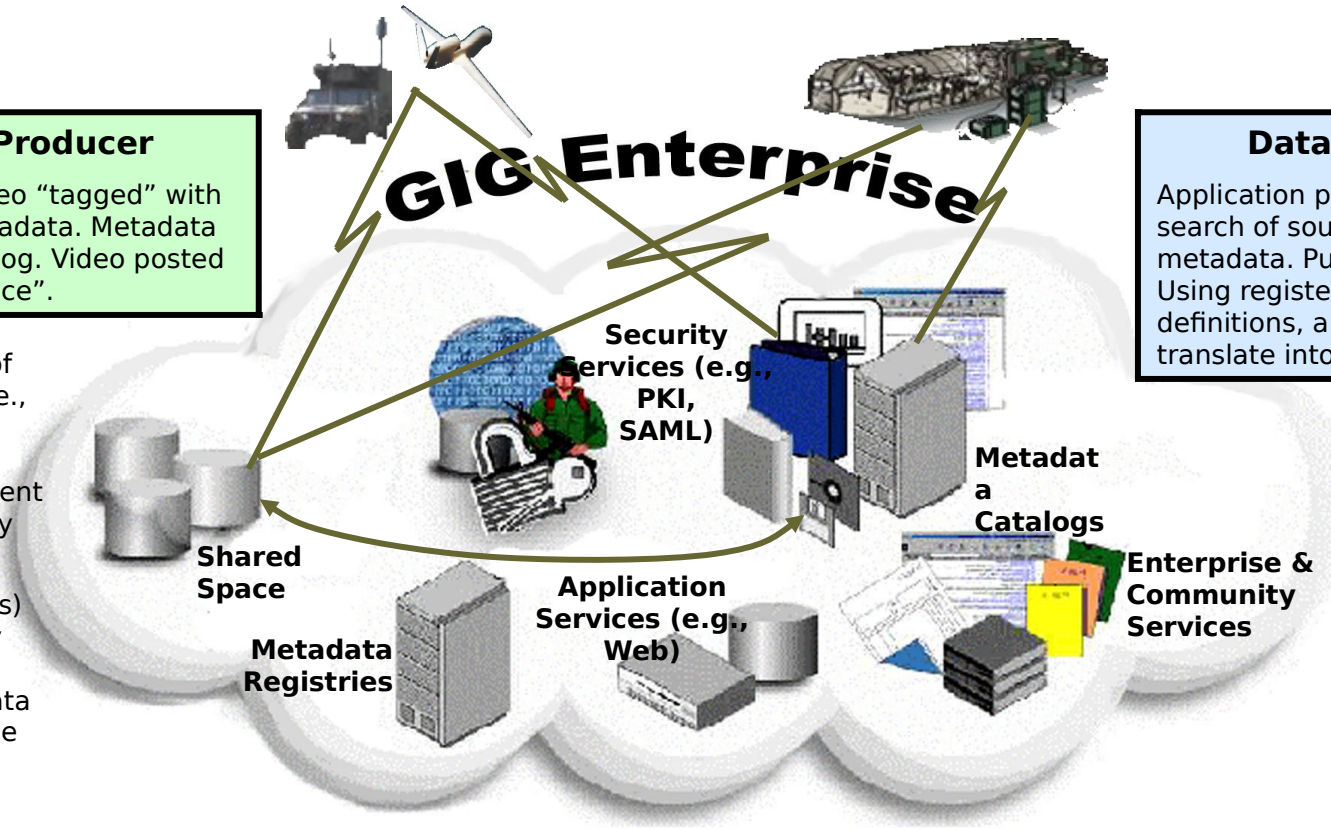
Tagging and Posting Empowers User

". . . Services are directed to provide . . . broad access to collected theater intelligence data . . ." **Stephen A. Cambone USD/I**

Data Producer

Streaming video "tagged" with discovery metadata. Metadata added to catalog. Video posted in "shared space".

- **Advertising** of data assets (i.e., video, image, document) describes content using discovery metadata
- **Posts** (submits) both discovery metadata to catalog and data to shared space



Data Consumer

Application provides automated search of sources using discovery metadata. Pull data of interest. Using registered format, definitions, and core services, translate into needed structure.

- **Searches/Subscribes** metadata catalogs to find data (e.,g community and enterprise-wide search services)
- **Analyzes** metadata to determine context of data found
- **Pulls** selected data from shared space

- **Discovery** – process of providing visibility of the database to users on the Enterprise.
- **Discovery Metadata** – describes key attributes of a data asset: creator, date, type of information or service provided.
- **Metadata Registry** – contains information that describes the data structure, format and definitions.
- **Metadata Catalog** – contains instances of metadata associated with individual data assets.
- **Shared Space** – provides storage and access to data for users within network.

Tagging and Posting Empowers User

Data Producer

Streaming video "tagged" with discovery metadata. Metadata added to catalog. Video posted in "shared space".

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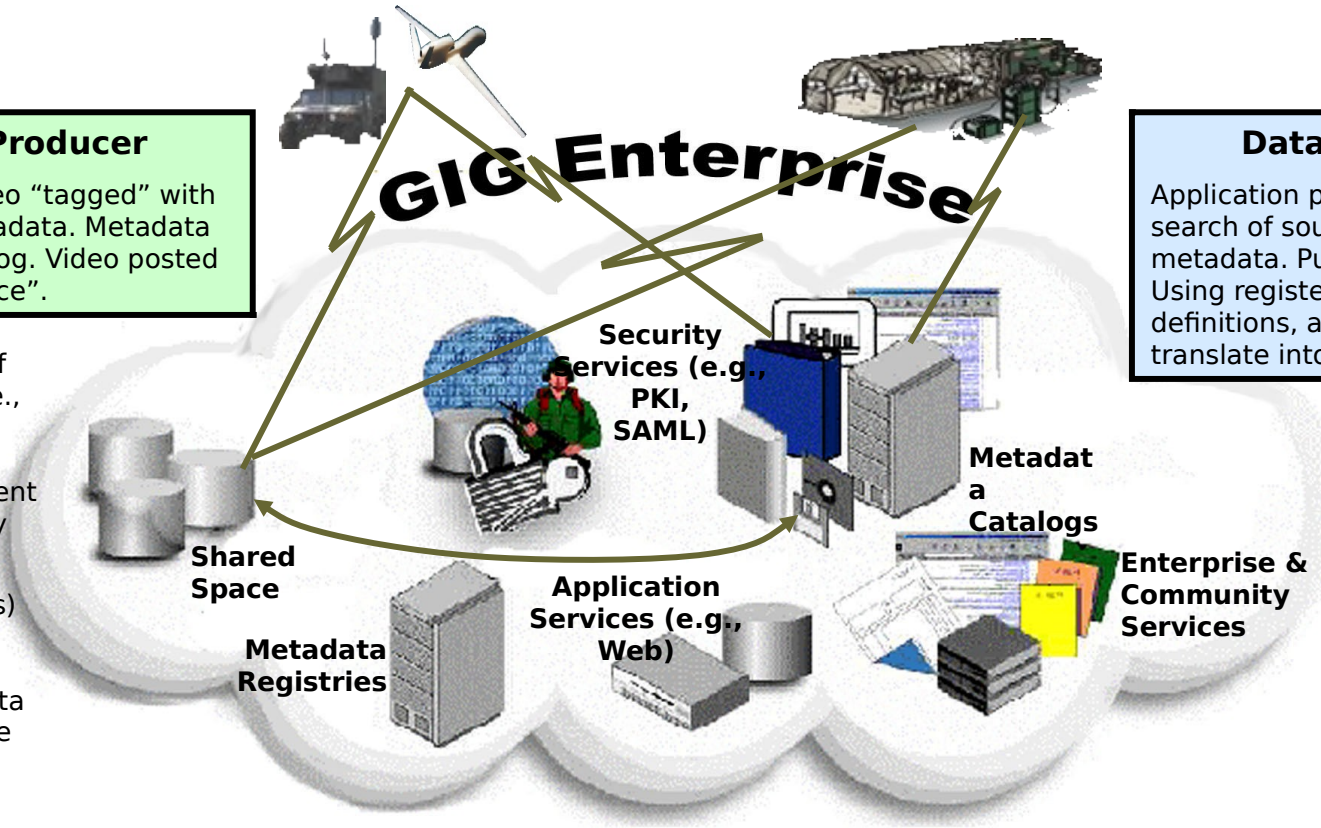

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"Request the Chairman of the Joint Chiefs of Staff develop implementing instructions for the commanders of the combatant commands and the services to provide the national intelligence agencies and service intelligence centers with broad access to collected theater intelligence data along with the authority to store and distribute."

Mr. Stephen A. Cambone USD/I
February 10, 2004

INTELLIGENCE DEPARTMENT
"TEMPESTUS, HOSTIS, TERRA"

Intelligence Programs & Budget Branch (IPB)

SURSS AAO Issues

SURSS What's New

- **Dragon Eye reliability is higher than expected**
- **Funds are required for Dragon Runner UGV FUE**
- **POM 06 profile is insufficient to buy out AAO of 323, upgrade Dragon Eye and conduct the FUE of ground system**
- **Dragon Runner shows promise**

DIRINT Position

- **Recommend MCSC procurement reduced by 40 systems from 323 to 283 to make resources available**

- **Disagree with proposal to raise AAO by an additional 140 systems because of funding constraints and O&M in the out years**

Fielding

- **Reduced procurement would field Dragon Eye Systems to:**

Active:

- Regt HQ's
- Inf Bn's
- Recon Bn's
- Force Recon Co's
- Intel Bn's
- LAR Bn's
- Tank Bn's
- Arty Bn's
- H&S Bn FSSG
- MP Bn's
- Trans Spt Bn's

SMCR:

- Inf Bn's
- Recon Bn's
- Force Recon Co
- LAR Bn's
- Tank Bn's
- Arty Bn's
- Trans Spt Bn's

The Way Ahead…

- **Recommend working group to specifically address Dragon Runner and Hand-Emplaced requirements**

Imagery & Geospatial Plans & Policy Branch (IPI)

EFV requires 6m Depth Curve for transition to shore.

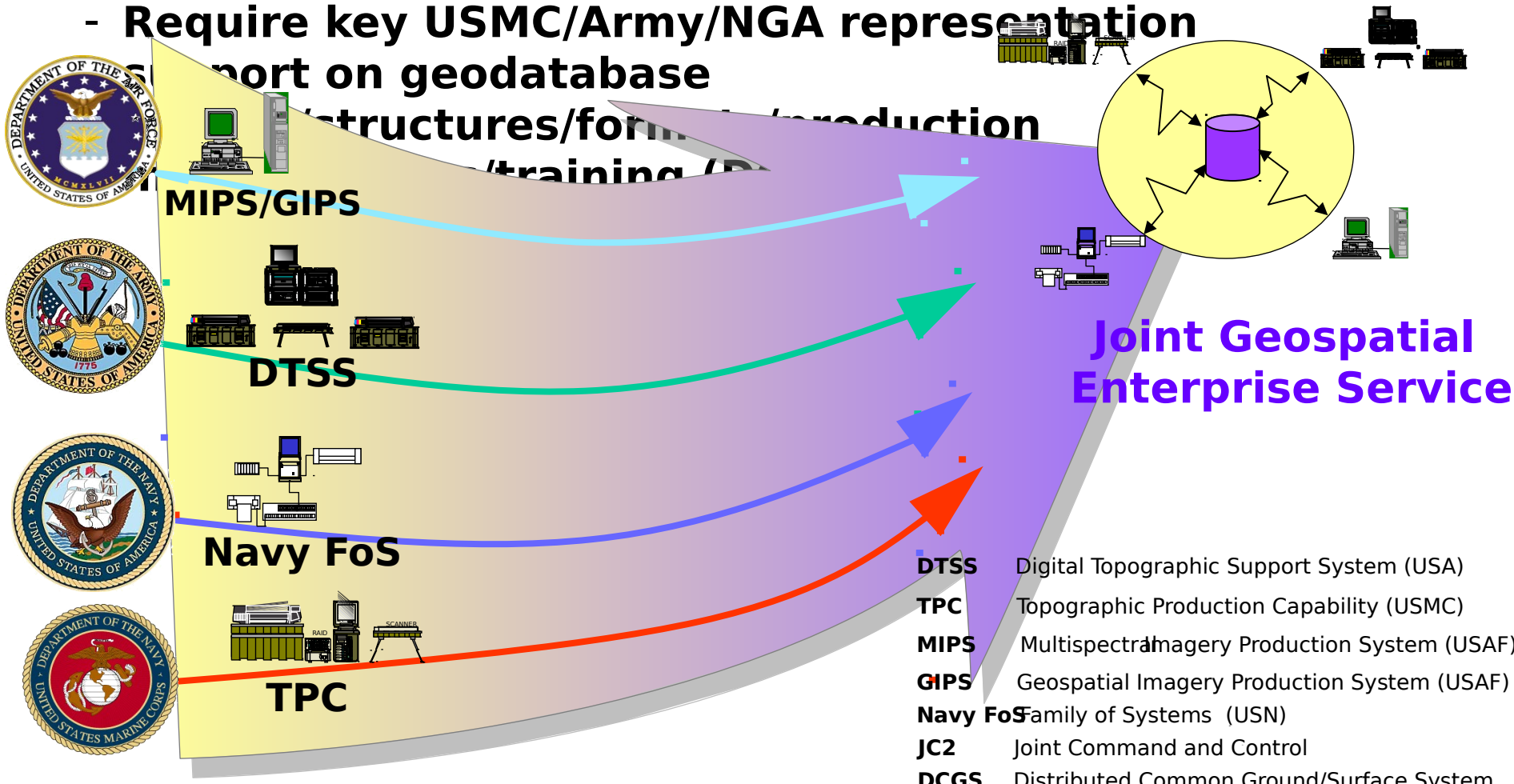
- **How do we obtain that data?**

Source

- **EFV OA in CPCA, Jan 05.**
- **EFV Cold WX OA, Valdez, AK, Jan**
- **Msg to MARFOR's to review OPlans.**

Joint-Geospatial Enterprise Service

- Future geospatial-information capabilities enhancements.
- JBMC2 BoD GO's endorsed capability on 21 Apr 04.
- USMC/Army meeting 3 Jun 04 way ahead (JCMCB solution)
- Require key USMC/Army/NGA representation
  - [illegible]port on geodatabase
  - [illegible]structures/form[illegible]/production
  - [illegible]/training (D[illegible]



DTSS Digital Topographic Support System (USA)
TPC Topographic Production Capability (USMC)
MIPS Multispectral Imagery Production System (USAF)
GIPS Geospatial Imagery Production System (USAF)
Navy FoS Family of Systems (USN)
JC2 Joint Command and Control
DCGS Distributed Common Ground/Surface System

Intelligence Plans & Policy / MAGIS Branch (IPM)

SCI Network Architecture

- **Marine Corps SCI Architecture will be discussed at ICC**
- **Issues that need to be discussed**
  - **Tactical SCI DMS / TDN CONOPS**
  - **G-6 Support to Intel (Exchange, SIPRnet etc.)**
  - **DoDIIS requirements (MLS, IA etc.)**
  - **DCGS / DIB Implementation**

Signals Intelligence (SIGINT)
Plans & Policy Branch (IPS)

Information Operations Update

- **IO activities**
  - **IO T&R Conference**
    - **MCCDC led**
    - **Information Operations Training and Readiness (T&R) Manual Development**
  - **Maritime Cryptologic & Information Operations Strategic Steering Group (MCIOSSG)**
    - **Naval Security Group hosting meeting 7-11 Jun**
  - **Attending annual Worldwide IO Conference, hosted by Joint Staff Deputy Director for Information Operations J3, at Carlisle Barracks, PA 14-17 Jun**
- **Impact**
  - **None at this time; will advise after MCIOSSG or Worldwide IO conference of any taskers**

QUESTIONS?